

RAW SEQUENCE LISTING

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Application Serial Number: 10/527,597A
Source: 1FW0
Date Processed by STIC: 7/6/06

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RAW SEQUENCE LISTING

DATE: 07/06/2006

PATENT APPLICATION: US/10/527,597A

TIME: 18:16:19

Input Set : A:\2006-06-30 5094-0101PUS1.txt

Output Set: N:\CRF4\07062006\J527597A.raw

AND

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3 <110> APPLICANT: ANDO, Yukio
4     NAKAMURA, Masaaki
5     NAGAHARA, Shunji
7 <120> TITLE OF INVENTION: PREPARATION FOR FACILITATING SITE-SPECIFIC GENE CONVERSION
8     PREPARATION FOR GENE THERAPY
10 <130> FILE REFERENCE: 5094-0101PUS1
12 <140> CURRENT APPLICATION NUMBER: US 10/527,597A
13 <141> CURRENT FILING DATE: 2005-03-14
15 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/011962
16 <151> PRIOR FILING DATE: 2003-09-19
18 <150> PRIOR APPLICATION NUMBER: JP 2002-274926
19 <151> PRIOR FILING DATE: 2002-09-20
21 <160> NUMBER OF SEQ ID NOS: 13
23 <170> SOFTWARE: PatentIn Ver. 2.1
25 <210> SEQ ID NO: 1
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27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
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36 <223> OTHER INFORMATION: 2'-O-methyl-RNA
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40 <222> LOCATION: (45)..(54)
41 <223> OTHER INFORMATION: 2'-O-methyl-RNA
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45 tttcgcgc                                     68
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49 <211> LENGTH: 25
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54 <223> OTHER INFORMATION: oligonucleotide based on a human TTR gene
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57 <221> NAME/KEY: misc_feature
58 <222> LOCATION: (1)..(3)
59 <223> OTHER INFORMATION: Phosphorothioate linkage
61 <220> FEATURE:
62 <221> NAME/KEY: misc_feature

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63 <222> LOCATION: (23)..(25)
64 <223> OTHER INFORMATION: Phosphorothioate linkage
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67 tgaacacatg catggccaca ttgat 25
70 <210> SEQ ID NO: 3
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76 <223> OTHER INFORMATION: oligonucleotide based on a human TTR gene
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80 <222> LOCATION: (1)..(3)
81 <223> OTHER INFORMATION: Phosphorothioate linkage
83 <220> FEATURE:
84 <221> NAME/KEY: misc_feature
85 <222> LOCATION: (43)..(45)
86 <223> OTHER INFORMATION: Phosphorothioate linkage
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89 gcagcctttc tgaacacatg catggccaca ttgatggcag gactg 45
92 <210> SEQ ID NO: 4
93 <211> LENGTH: 74
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: oligonucleotide based on a human TTR gene
100 <220> FEATURE:
101 <221> NAME/KEY: misc_feature
102 <222> LOCATION: (1)..(3)
103 <223> OTHER INFORMATION: Phosphorothioate linkage
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106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (72)..(74)
108 <223> OTHER INFORMATION: Phosphorothioate linkage
110 <400> SEQUENCE: 4
111 tcccaggtgt catcagcagc ctttctgaac acatgcatgg ccacattgat ggcaggactg 60
112 cctcggacag catc 74
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116 <211> LENGTH: 74
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: oligonucleotide based on a mouse TTR gene
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <222> LOCATION: (1)..(3)
126 <223> OTHER INFORMATION: Phosphorothioate linkage
128 <220> FEATURE:
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130 <222> LOCATION: (72)..(74)
131 <223> OTHER INFORMATION: Phosphorothioate linkage
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135 cctcggacag catc 74
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140 <211> LENGTH: 74
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142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
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150 <223> OTHER INFORMATION: Phosphorothioate linkage
152 <220> FEATURE:
153 <221> NAME/KEY: misc_feature
154 <222> LOCATION: (72)..(74)
155 <223> OTHER INFORMATION: Phosphorothioate linkage
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159 cctcggacgg catc 74
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164 <212> TYPE: DNA
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167 <220> FEATURE:
168 <223> OTHER INFORMATION: YKS-384 DNA oligonucleotide based on human TTR gene
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174 <210> SEQ ID NO: 8
175 <211> LENGTH: 74
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: DNA oligonucleotide used to study the gene conversion rate
181 in HepG2 cell
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (1)..(3)
186 <223> OTHER INFORMATION: Phosphorothioate linkage
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (72)..(74)
191 <223> OTHER INFORMATION: Phosphorothioate linkage
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195 agtctggatt aagt 74
198 <210> SEQ ID NO: 9

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199 <211> LENGTH: 74
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: DNA oligonucleotide used to study the gene conversion rate
205     in HepG2 cell
207 <220> FEATURE:
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209 <222> LOCATION: (1)..(3)
210 <223> OTHER INFORMATION: Phosphorothioate linkage
212 <220> FEATURE:
213 <221> NAME/KEY: misc_feature
214 <222> LOCATION: (72)..(74)
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219 ggtgtagcgg cggg                                                    74
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223 <211> LENGTH: 74
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: DNA oligonucleotide used to study the conversion rate
229     of gene mutation associated with Fabry's disease
231 <220> FEATURE:
232 <221> NAME/KEY: misc_feature
233 <222> LOCATION: (1)..(3)
234 <223> OTHER INFORMATION: Phosphorothioate linkage
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (72)..(74)
239 <223> OTHER INFORMATION: Phosphorothioate linkage
241 <400> SEQUENCE: 10
242 gcagtcaagg ttgcacatga agcgctccca gtgcagccag cccatggtag gcgtccttgc    60
243 caatccattg tcca                                                    74
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247 <211> LENGTH: 74
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
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252 <223> OTHER INFORMATION: DNA oligonucleotide used to study the conversion rate
253     of gene mutation associated with Fabry's disease
255 <220> FEATURE:
256 <221> NAME/KEY: misc_feature
257 <222> LOCATION: (1)..(3)
258 <223> OTHER INFORMATION: Phosphorothioate linkage
260 <220> FEATURE:
261 <221> NAME/KEY: misc_feature
262 <222> LOCATION: (72)..(74)

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Input Set : A:\2006-06-30 5094-0101PUS1.txt

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263 <223> OTHER INFORMATION: Phosphorothioate linkage
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266 gccatgatag cccagagggc catctgagtt acttgctgat tccagctgag gccaaagttg 60
267 ccaatcacta actg 74
270 <210> SEQ ID NO: 12
271 <211> LENGTH: 25
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
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278 <400> SEQUENCE: 12
279 atcaatgtgg ccgtgcatgt gttca 25
282 <210> SEQ ID NO: 13
283 <211> LENGTH: 25
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: DNA oligonucleotide for gene conversion based on TTR gene
290 <400> SEQUENCE: 13
291 tgaacacatg cacggccaca ttgat 25

VERIFICATION SUMMARY

DATE: 07/06/2006

PATENT APPLICATION: US/10/527,597A

TIME: 18:16:21

Input Set : A:\2006-06-30 5094-0101PUS1.txt

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